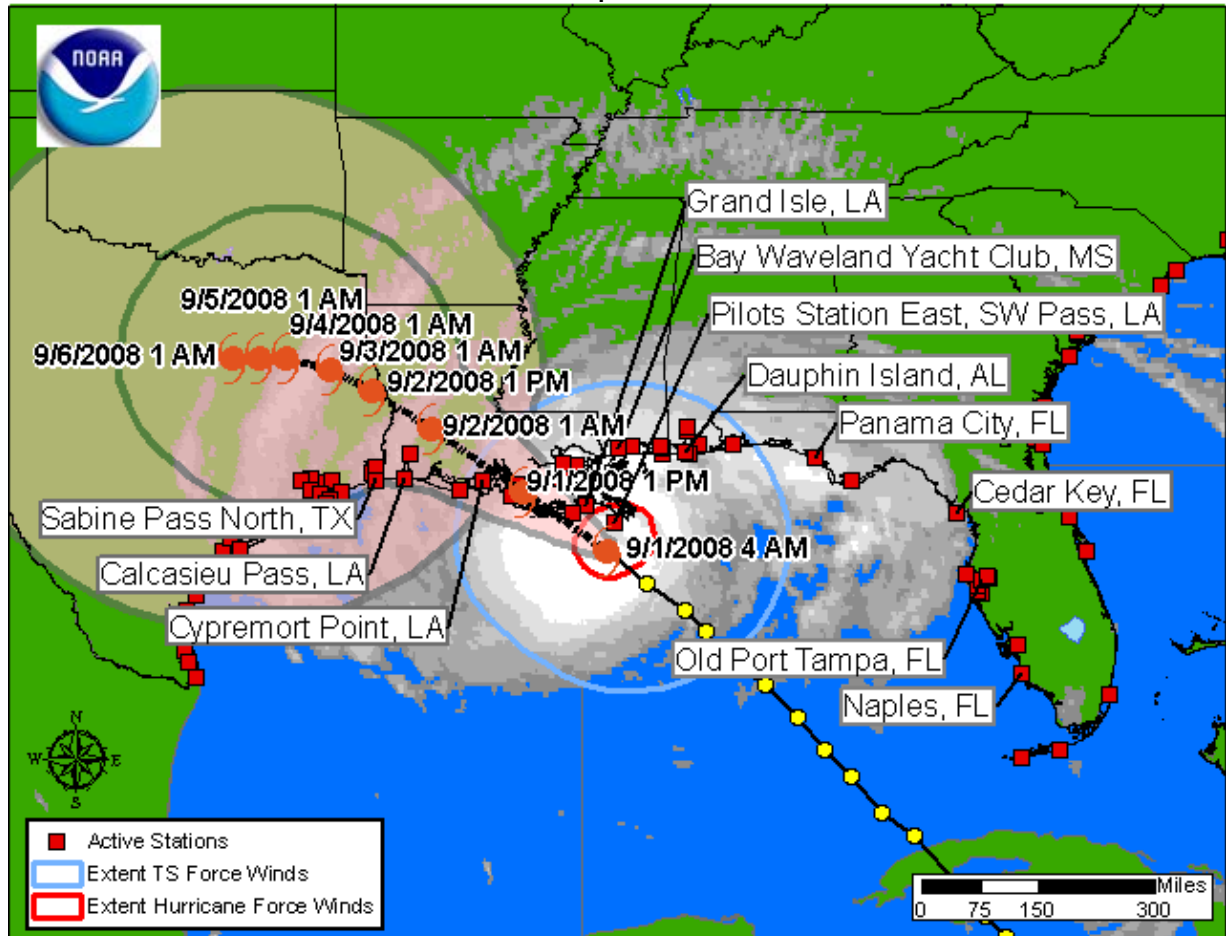




Hurricane GUSTAV QuickLook
Posted: 05:00 CDT 09/01/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/01/2008 05:00 CDT, water levels along the coast of West and Southwest Florida are falling; however, they still remain elevated 0.5 to 2.4 feet above predicted. Water levels along the northern Gulf Coast from Panama City, FL to Grand Isle, LA are rising and 2-4 feet above predicted. Winds are increasing along the coasts of Alabama, Louisiana and Mississippi with Dauphin Island, AL and Grand Isle, LA both measuring wind gusts up to 60 mph. Barometric pressure continues to fall from the Florida Panhandle to the Louisiana-Texas border.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Naples, FL: Next predicted high tide is 3.20 ft (0.98 m) at 09/01/2008 13:53 EDT.

Old Port Tampa, FL: Next predicted high tide is 2.60 ft (0.79 m) at 09/01/2008 16:17 EDT.

Cedar Key, FL: Next predicted high tide is 4.20 ft (1.28 m) at 09/01/2008 15:34 CDT.

Panama City, FL: Next predicted high tide is 0.90 ft (0.27 m) at 09/01/2008 12:47 CDT.

Dauphin Island, AL: Next predicted high tide is 0.90 ft (0.27 m) at 09/01/2008 13:18 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tide is 1.30 ft (0.40 m) at 09/01/2008 14:48 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tide is 1.00 ft (0.31 m) at 09/01/2008 12:14 CDT.

Grand Isle, LA: Next predicted high tide is 0.90 ft (0.27 m) at 09/01/2008 13:58 CDT.

Cypremore Point, LA: Next predicted high tide is 1.10 ft (0.34 m) at 09/01/2008 07:52 CDT.

Calcasieu Pass, LA: Next predicted high tide is 2.00 ft (0.61 m) at 09/01/2008 16:06 CDT.

Sabine Pass North, TX: Next predicted high tide is 1.60 ft (0.49 m) at 09/01/2008 17:02 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: ND

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 31

400 AM CDT MON SEP 01 2008

GUSTAV NEARING THE LOUISIANA COAST HEAVY RAIN BANDS APPROACHING NEW ORLEANS

AT 4 AM CDT 0900 UTC THE HURRICANE WARNING EAST OF THE MISSISSIPPI-ALABAMA BORDER TO THE ALABAMA-FLORIDA BORDER HAS BEEN CHANGED TO A TROPICAL STORM WARNING. A HURRICANE WARNING REMAINS IN EFFECT FROM JUST EAST OF HIGH ISLAND TEXAS EASTWARD TO THE MISSISSIPPI-ALABAMA BORDER INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD HAVE BEEN COMPLETED.

A TROPICAL STORM WARNING IS IN EFFECT FROM EAST OF THE MISSISSIPPI-ALABAMA BORDER TO THE OCHLOCKONEE RIVER.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 400 AM CDT 0900Z THE CENTER OF HURRICANE GUSTAV WAS LOCATED NEAR

LATITUDE 28.4 NORTH LONGITUDE 89.5 WEST OR ABOUT 115 MILES 185 KM SOUTH-SOUTHEAST OF NEW ORLEANS LOUISIANA AND ABOUT 195 MILES 315 KM SOUTHEAST OF LAFAYETTE LOUISIANA. THIS POSITION IS ALSO ABOUT 65 MILES 105 KM SOUTHEAST OF PORT FOURCHON ALONG THE LOUISIANA COAST.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 16 MPH 26 KM/HR AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT DAY OR SO WITH SOME DECREASE IN FORWARD SPEED AND A GRADUAL TURN TOWARD THE WEST- NORTHWEST ON TUESDAY. ON THE FORECAST TRACK THE CENTER WILL CROSS THE LOUISIANA COAST BY MIDDAY TODAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 115 MPH 185 KM/HR WITH HIGHER GUSTS. GUSTAV IS A CATEGORY THREE HURRICANE ON THE SAFFIR-SIMPSON SCALE. NO SIGNIFICANT CHANGE IN STRENGTH IS LIKELY BEFORE LANDFALL WITH WEAKENING EXPECTED TO BEGIN AFTER GUSTAV MOVES INLAND LATER TODAY.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 70 MILES 110 KM FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 230 MILES 370 KM. BOOTHVILLE LOUISIANA REPORTED A WIND GUST TO 70 MPH 113 KM/HR AND A STATION AT SOUTHWEST PASS LOUISIANA REPORTED SUSTAINED WINDS OF 76 MPH 122 KM/HR WITH A GUST OF 108 MPH 174 KM/HR AT AN ELEVATION OF 79 FEET ABOVE SEA LEVEL.

AN AIR FORCE HURRICANE HUNTER AIRCRAFT REPORTED A MINIMUM CENTRAL PRESSURE OF 956 MB 28.23 INCHES.

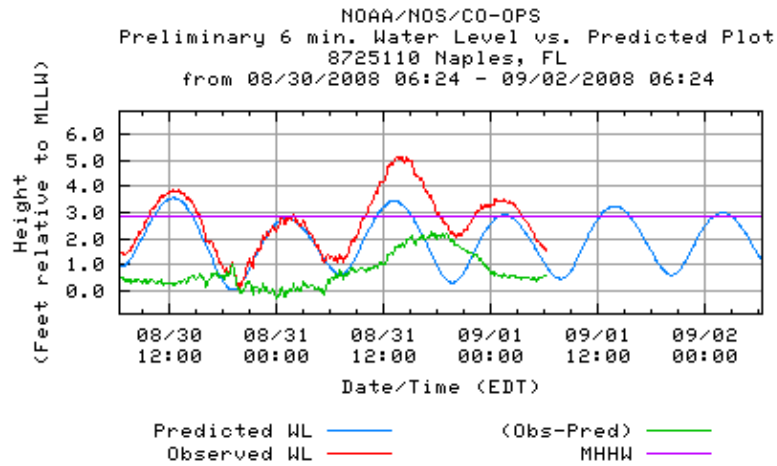
AN EXTREMELY DANGEROUS STORM SURGE OF 10 TO 14 FEET ABOVE NORMAL TIDAL LEVELS IS EXPECTED NEAR AND TO THE EAST OF WHERE THE CENTER OF GUSTAV CROSSES THE COAST.

FORECASTER PASCH/BERG

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Old Port Tampa - Water Level](#), [Old Port Tampa - Winds](#), [Cedar Key - Water Level](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Air/Water Temp](#), [Dauphin Island - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Air/Water Temp](#), [Bay Waveland Yacht Club - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Air/Water Temp](#), [Grand Isle - Barometric](#), [Cypremort Point - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Air/Water Temp](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Barometric](#),

Naples, FL - Station Map [Return to List](#)

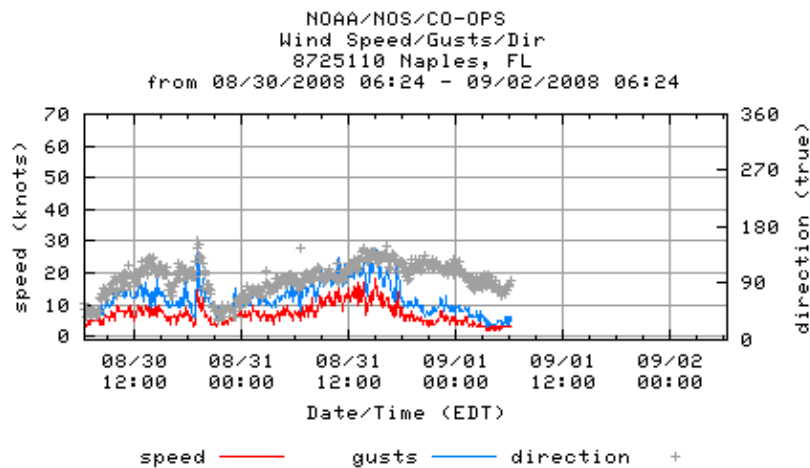


Last Observed Sample: 09/01/2008 06:12 (EDT)

Relative to **MLLW**: **Observed: 1.51 ft. Predicted: 0.95 ft. Residual: 0.56 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

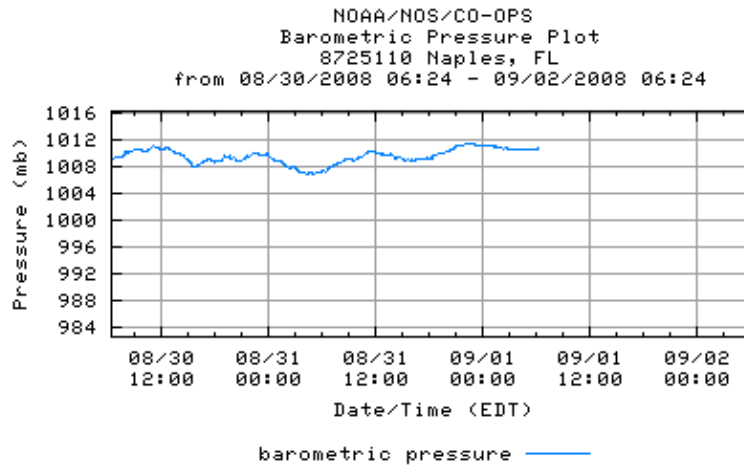
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 06:12 (EDT)

Wind Speed: 3 knots Gusts: 5 knots Direction: 094° T

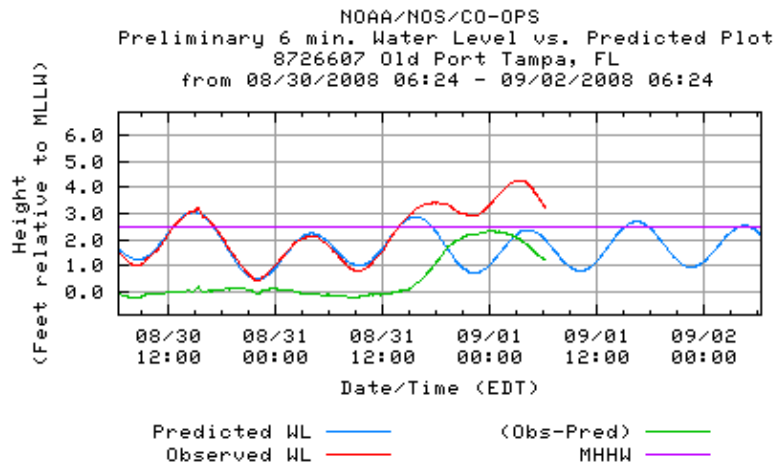
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 06:12 (EDT)

Barometric Pressure: 1010.8 mb

Old Port Tampa, FL - Station Map [Return to List](#)

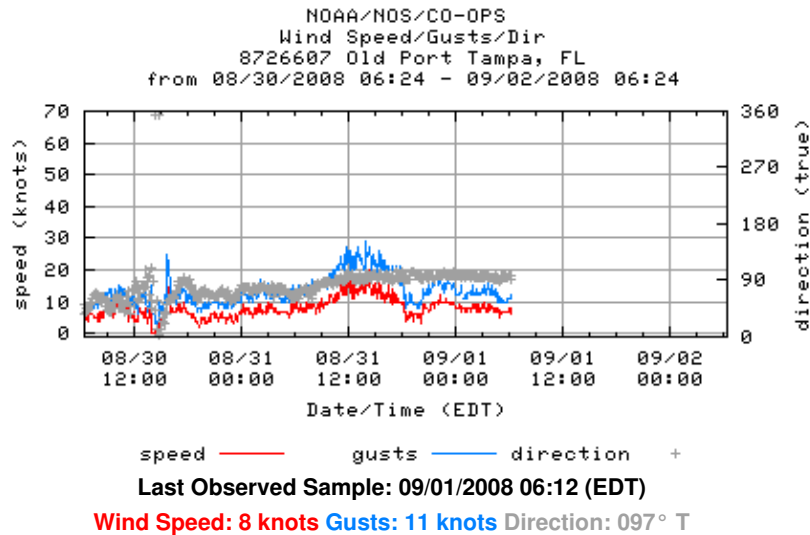


Last Observed Sample: 09/01/2008 06:12 (EDT)

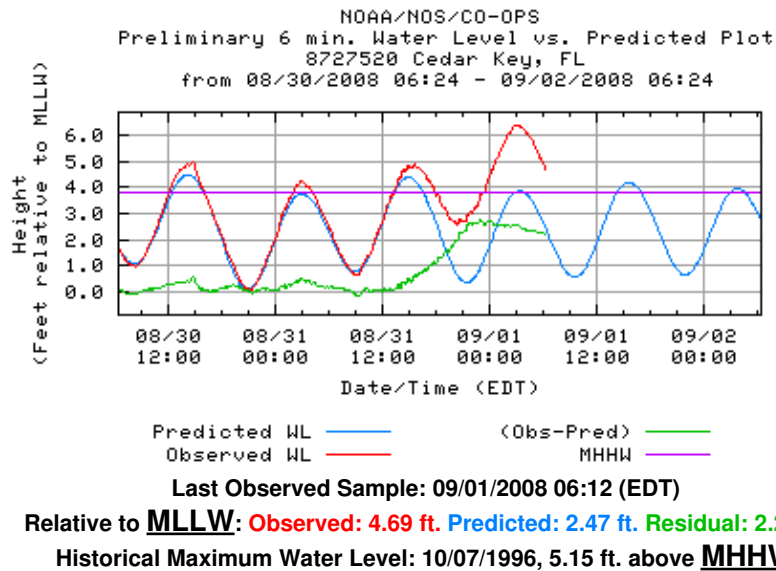
Relative to **MLLW**: **Observed: 3.20 ft.** **Predicted: 1.99 ft.** **Residual: 1.21 ft.**

Historical Maximum Water Level: 10/08/1996, 3.56 ft. above **MHHW**

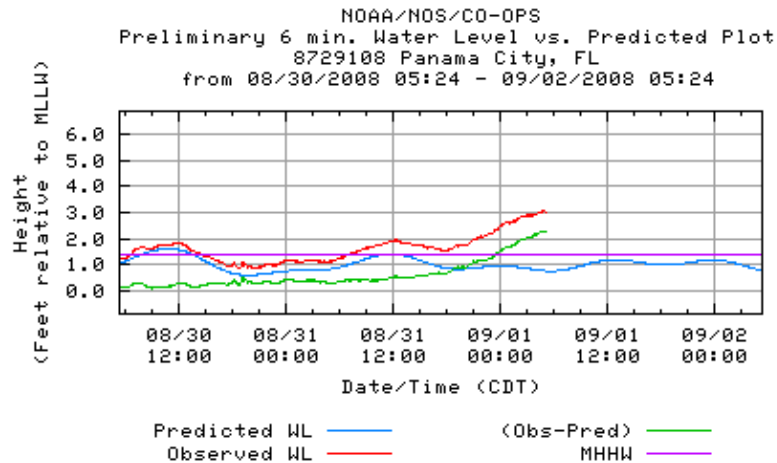
Old Port Tampa, FL - Station Map [Return to List](#)



Cedar Key, FL - Station Map [Return to List](#)



Panama City, FL - Station Map [Return to List](#)

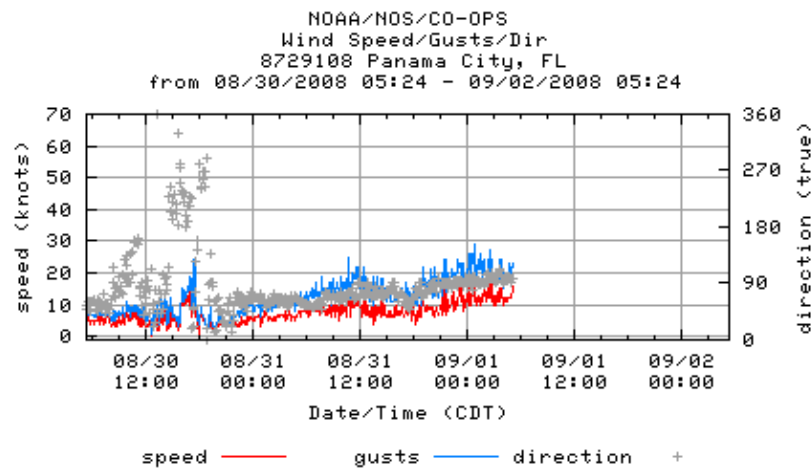


Last Observed Sample: 09/01/2008 05:12 (CDT)

Relative to **MLLW**: **Observed: 3.06 ft.** **Predicted: 0.75 ft.** **Residual: 2.31 ft.**

Historical Maximum Water Level: 10/04/1995, 5.72 ft. above **MHHW**

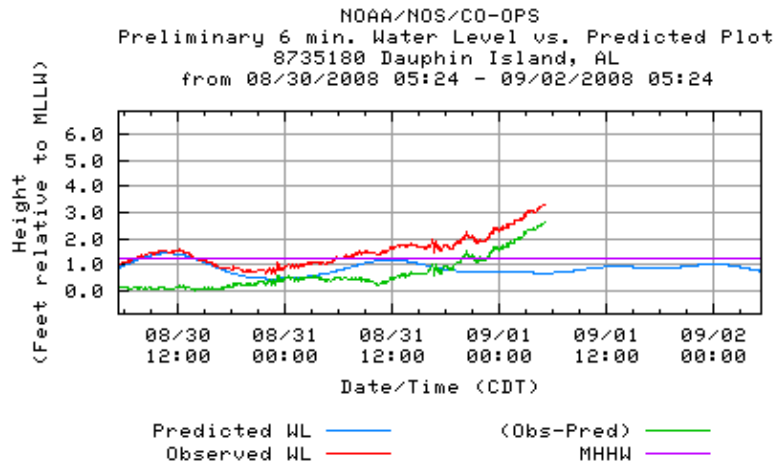
Panama City, FL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Wind Speed: 13 knots **Gusts: 18 knots** **Direction: 095° T**

Dauphin Island, AL - Station Map [Return to List](#)

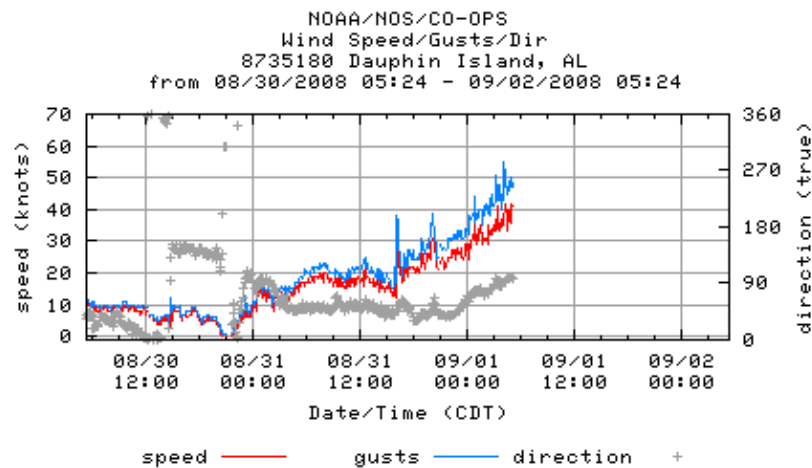


Last Observed Sample: 09/01/2008 05:12 (CDT)

Relative to **MLLW**: **Observed: 3.28 ft. Predicted: 0.68 ft. Residual: 2.60 ft.**

Historical Maximum Water Level: 09/02/1985, 3.36 ft. above **MHHW**

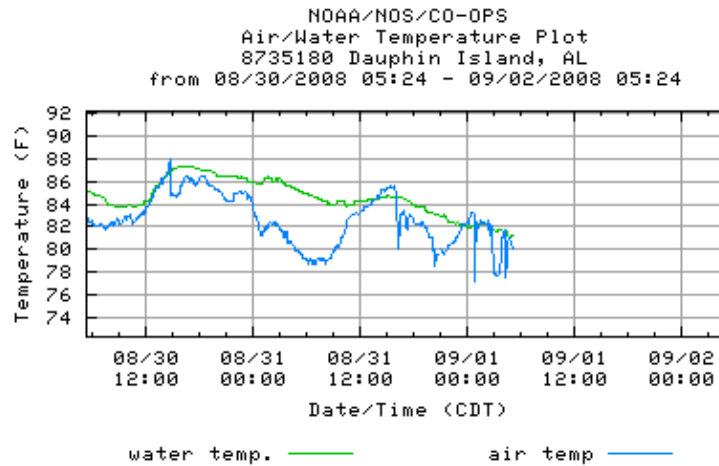
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Wind Speed: 39 knots Gusts: 49 knots Direction: 095° T

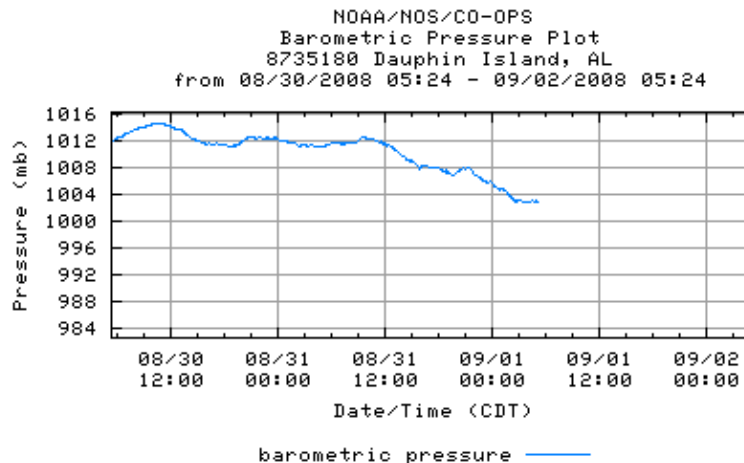
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Water Temperature: 81.3° F Air Temperature: 79.5° F

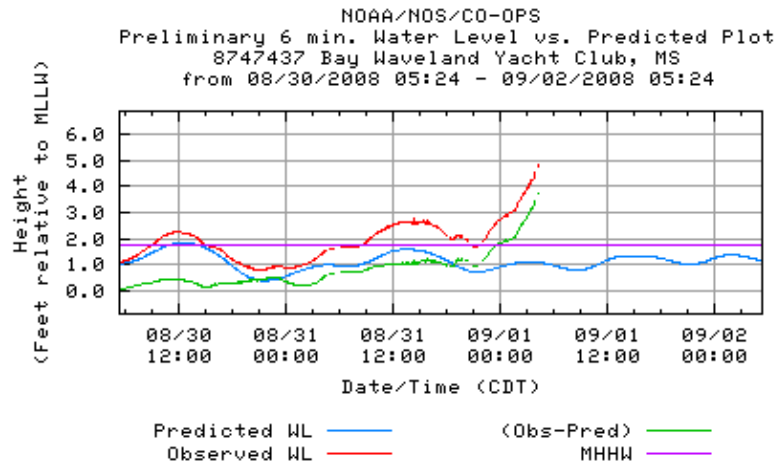
Dauphin Island, AL - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Barometric Pressure: 1002.8 mb

Bay Waveland Yacht Club, MS - Station Map [Return to List](#)

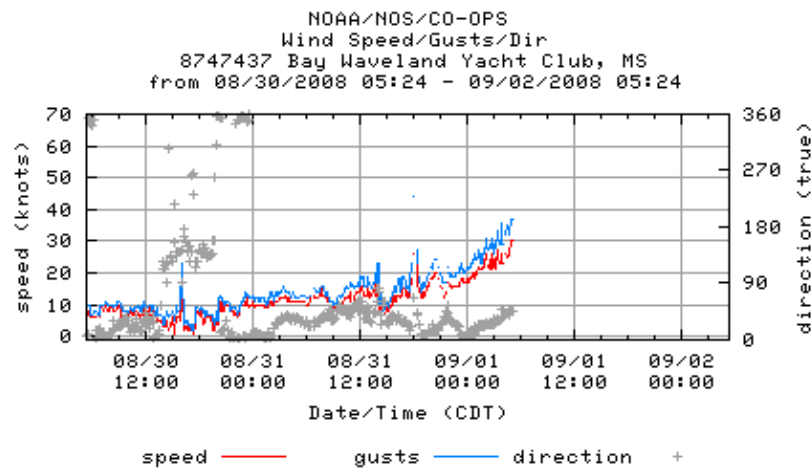


Last Observed Sample: 09/01/2008 04:24 (CDT)

Relative to **MLLW**: **Observed: 4.83 ft.** **Predicted: 1.07 ft.** **Residual: 3.76 ft.**

Historical Maximum Water Level: 10/28/1985, 5.05 ft. above **MHHW**

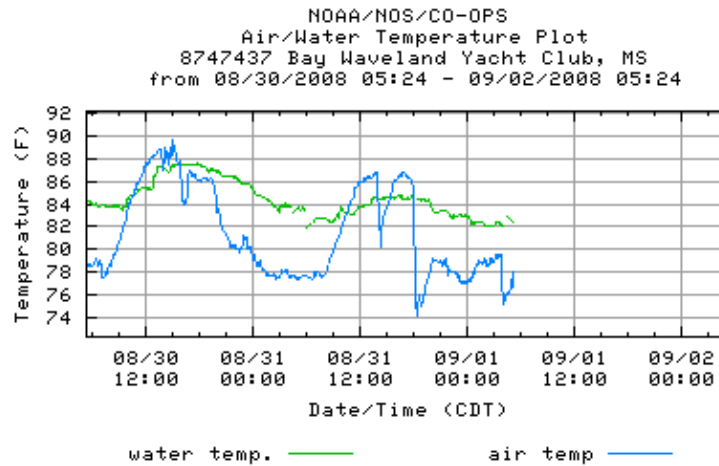
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Wind Speed: 33 knots **Gusts: 40 knots** Direction: 058° T

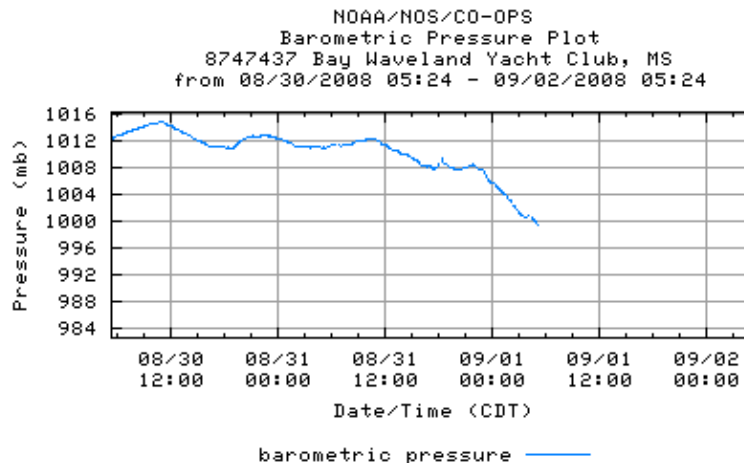
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Water Temperature: 82.4° F Air Temperature: 76.8° F

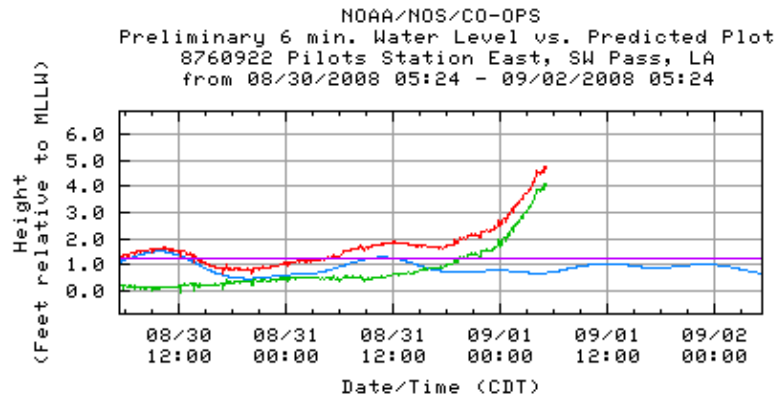
Bay Waveland Yacht Club, MS - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Barometric Pressure: 999.6 mb

Pilots Station East, SW Pass, LA - Station Map [Return to List](#)

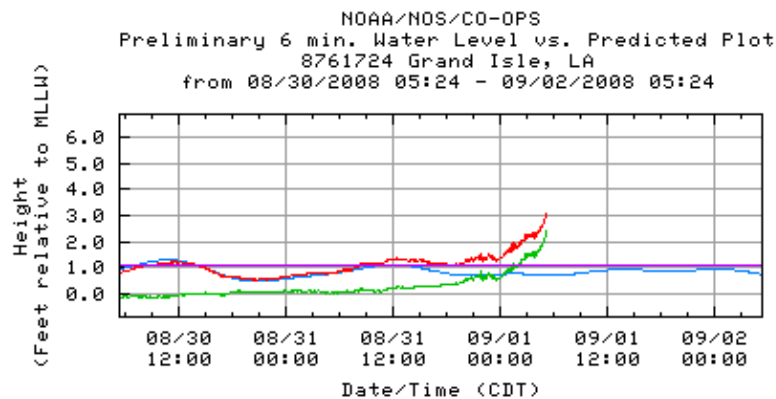


Last Observed Sample: 09/01/2008 05:12 (CDT)

Relative to **MLLW**: **Observed: 4.74 ft. Predicted: 0.68 ft. Residual: 4.06 ft.**

Historical Maximum Water Level: n/a

Grand Isle, LA - Station Map [Return to List](#)

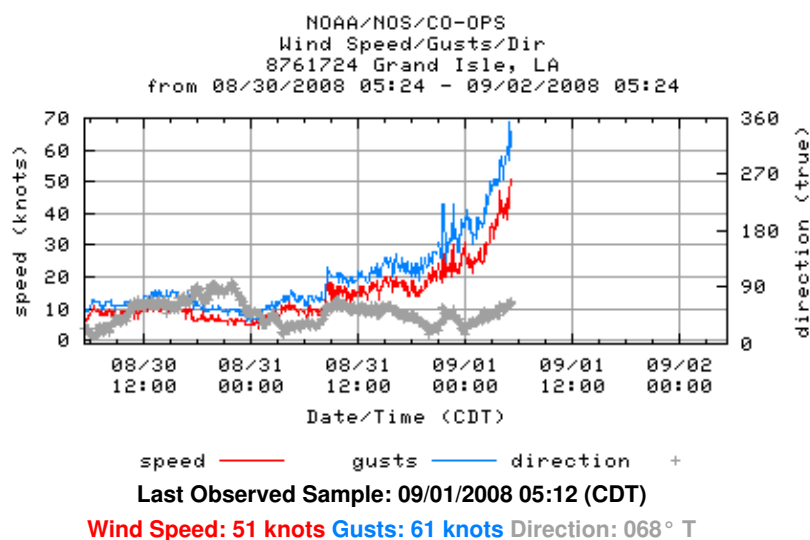


Last Observed Sample: 09/01/2008 05:12 (CDT)

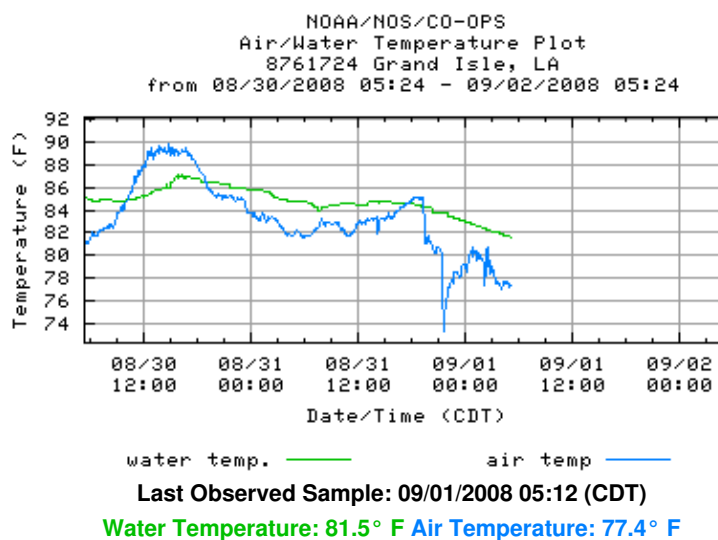
Relative to **MLLW**: **Observed: 3.10 ft. Predicted: 0.72 ft. Residual: 2.38 ft.**

Historical Maximum Water Level: n/a

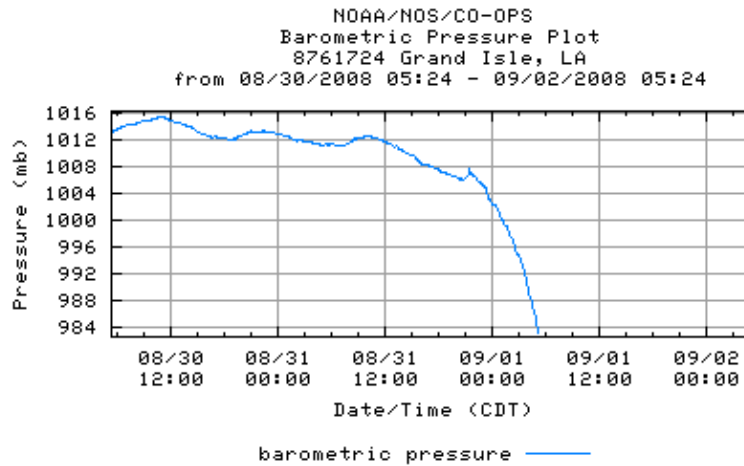
Grand Isle, LA - Station Map [Return to List](#)



Grand Isle, LA - Station Map [Return to List](#)



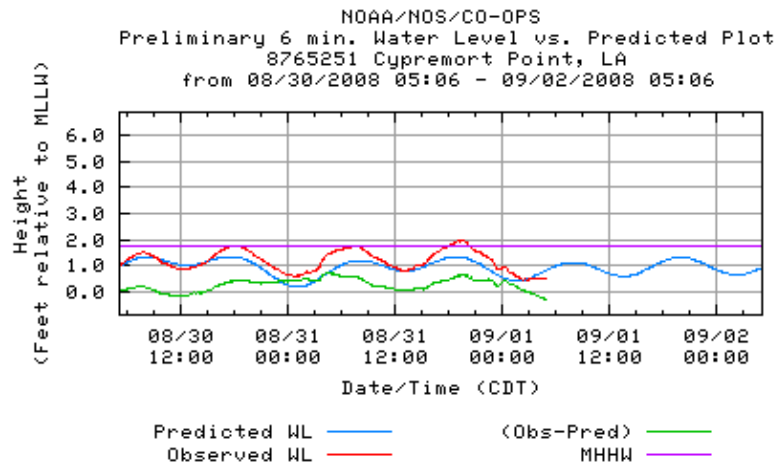
Grand Isle, LA - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:12 (CDT)

Barometric Pressure: 983.1 mb

Cypremort Point, LA - Station Map [Return to List](#)

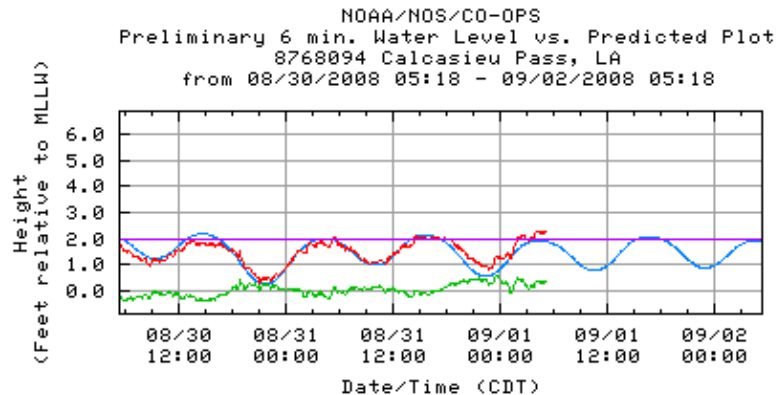


Last Observed Sample: 09/01/2008 04:48 (CDT)

Relative to **MLLW**: Observed: 0.49 ft. Predicted: 0.80 ft. Residual: -0.31 ft.

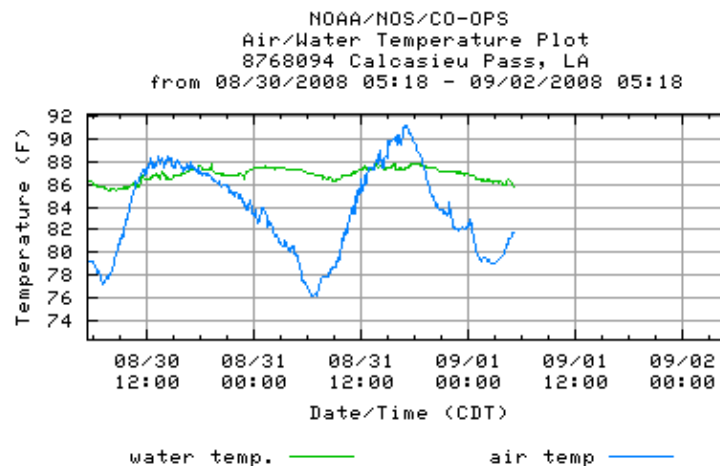
Historical Maximum Water Level: n/a

Calcasieu Pass, LA - Station Map [Return to List](#)



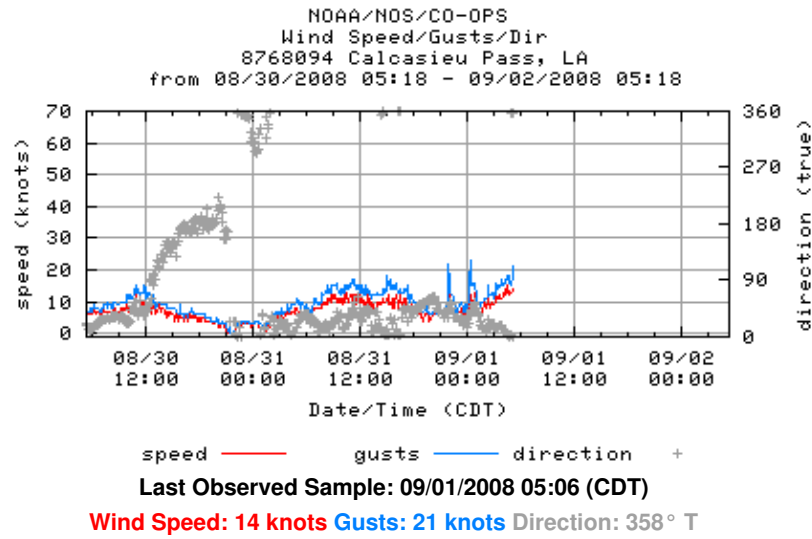
Last Observed Sample: 09/01/2008 05:06 (CDT)
Relative to **MLLW**: **Observed: 2.23 ft. Predicted: 1.89 ft. Residual: 0.34 ft.**
Historical Maximum Water Level: n/a

Calcasieu Pass, LA - Station Map [Return to List](#)

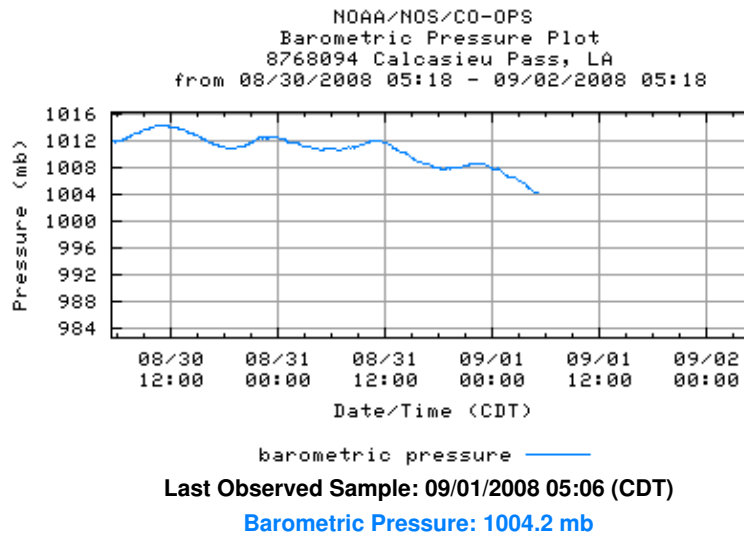


Last Observed Sample: 09/01/2008 05:06 (CDT)
Water Temperature: 85.8° F Air Temperature: 81.8° F

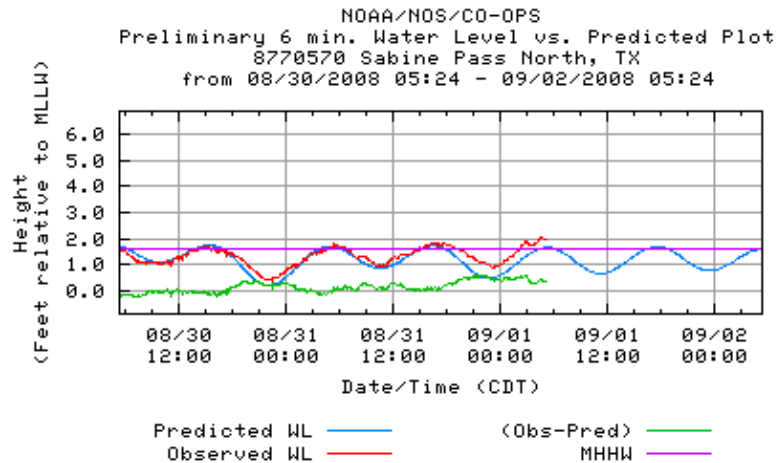
Calcasieu Pass, LA - Station Map [Return to List](#)



Calcasieu Pass, LA - Station Map [Return to List](#)



Sabine Pass North, TX - Station Map [Return to List](#)

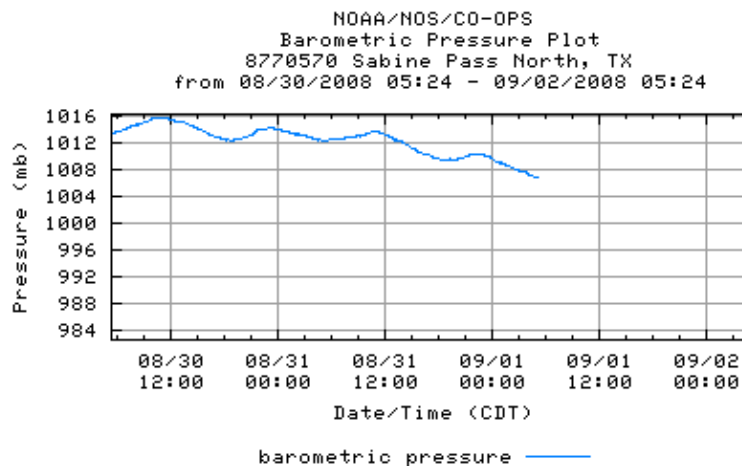


Last Observed Sample: 09/01/2008 05:06 (CDT)

Relative to **MLLW**: **Observed: 1.98 ft. Predicted: 1.65 ft. Residual: 0.33 ft.**

Historical Maximum Water Level: 09/11/1998, 3.32 ft. above **MHHW**

Sabine Pass North, TX - Station Map [Return to List](#)



Last Observed Sample: 09/01/2008 05:06 (CDT)

Barometric Pressure: 1007.0 mb

Hurricane GUSTAV QuickLook, POSTED 05:00 CDT 09/01/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce